Remarks

I.   Status of the Claims

Claims 1-14 are pending. Rejected claims exist and include claim numbers: 1-14. The Applicant adds claim 15. Independent claims include claim 1 and claim 15. The support for claim 15 can be found on page 2-7 of the specification as originally filed. No new matter has been added.

II.   Amendment to the Specification

The Examiner objects to the abstract under MPEP §608.01(b) because it does not contain a concise statement directed to the entire technical disclosure. Applicant hereby amends the abstract. The support for the amended abstract can be found on page 1, lines 15-23 of the specification as originally filed. No new matter has been added.

The Applicant amends the specification to reflect amendments to the drawings. The support for the amended specification can be found on page 2-7 of the specification as originally filed. No new matter has been added.

III.   Amendment to the Drawings

The Examiner requires the Applicant to add drawings to illustrate the current invention. Specifically, the Examiner claims that the algorithm on page 2-7 of the specification, which discloses a software for the efficient modeling of information tasks of arbitrary complexity, requires a corresponding drawing.

Applicant herewith submits the enclosed sheet of FIG. 1A, FIG. 1B and FIG. 2. The amendments address the issue raised in the Office Action. Support for the amendments is shown on page 2-7 of the specification as originally filed. No new matter is introduced. Entry

Amendments to the Drawings

Drawings to illustrate the invention are enclosed herewith which addresses the issue

raised in the Office Action.

of the figures is requested.

IV.   Rejections under 35 U.S.C. § 112: Claims 1-14

The office action rejects claims 1-14 under 35 U.S.C. § 112, second paragraph as "being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention." (Office Action, page 3, ¶6)

Specifically, the Examiner claims that the term "familiar" in claims 1-14 is indefinite. (Office Action, page 3, ¶7) The Applicant disagrees with the Examiner and argues that one of ordinary skill in the art of information transformation knows what "familiar functional domains" means. Furthermore, the Applicant submits the phrase "familiar functional domains" is supported throughout the specification. For example, "a RS-232 Port Interface plugin, for communication with the hardware" (page 5, line 23 of the Specification as originally filed) is in the communication functional domain, and "a graphical user interface (GUI) plugin" (page 5, line 24 of the Specification as originally filed) is in the GUI functional domain. Therefore, it is clear from the specification that "familiar functional domains" has definite meaning to one with ordinary skill in the art.

The Examiner claims that "the information" in each of claims 4-7 and 9-14 is an ambiguous reference and renders these claims vague and indefinite. (Office Action, page 4, ¶8) Applicants submits that "the information" at least refers to the antecedent in the claim preamble, therefore, therefore, it is not vague nor indefinite.

Applicants respectfully submit that the basis for rejection under 35 U.S.C. § 112 is overcome.

V.   Rejections under 35 U.S.C. § 102: Claims 1-7

Claims 1-7 are rejected under 35 U.S.C. § 102(e) as being anticipated by US Patent No. 6,405,364B1 issued to Bowman-Amuah.

Independent claim 1 recites, *inter alia*, "dividing software processes with familiar functional domains into normalized groups of algorithms;" Applicants submit that Bowman does not disclose, teach or suggest at least this claimed element.

The Office Action indicates that the "dividing software processes" element recited in the claim is disclosed in Bowman citing, "abstract; Fig 1 - elements 110 and 135 and associated text; Fig 2 – elements 228, 234, 232, 230, and 236 and associated text; Fig 2a - elements 278, 274 and 262 and associated text...." (See, Office Action, page 5, first full paragraph). The sections and figures Examiner cites are directed to the development environment and general guidelines and goals for the Bowman invention. Nothing in the cited sections in Bowman discloses a dividing step as claimed in claim 1 of Applicant's invention.

Instead, Bowman discloses a system to be built and an implementation strategy to fulfill system requirements. In building Bowman's system, third party technical components may be integrated into the target system. (See Bowman, Col. 40, lines 3-5) More specifically, Bowman discloses three stages of the third party components integration: 1) Package or Component Selection, which is based on considerations such as whether the component requires significant customization, or whether the vendor will guarantee required functional enhancements; 2) Component Customization; 3) Component Interfacing. (See Bowman, Col. 40, lines 11-13 and Col. 94 lines 47- Col. 95, lines 16) Bowman also discloses writing wrappers to enclose any third-party components. (See Bowman, Col. 94, lines 42-43) However, Bowman does not disclose "dividing software processes with familiar functional domains into normalized

groups of algorithms." To the contrary, third party components are integrated as a whole into the system without being divided into functional groups of algorithms.

Accordingly, Applicants submit that a method for monitoring and controlling information transformation tasks in a software processing system, as recited in independent claim 1, is patentably distinct from Bowman's integration of third party's technical component as a whole without dividing them into normalized groups of algorithms. Dependent claims 2-7, which depend from claim 1, are also patentably distinct from Bowman for at least similar reasons. Therefore, Applicants request withdrawal of this ground of rejections.

The newly added claim 15 is patentably distinct from Bowman for at least the reasons discussed above with regard to claim 1.

VI.   Rejections under 35 U.S.C. § 103: Claims 8-14

Claims 8-14 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Bowman as applied to claim 1. The Office Action claims that "it would have been obvious to one of ordinary skill in the art" to modify Bowman so as to read on the claimed invention. (Office Action, page 8 ¶21 and page 9 ¶22) Applicants respectfully submit that claims 8-14 are patentably distinct from the cited reference taken alone or in combination.

Independent claim 1 is patentably distinct from Bowman as discussed above, and it is not obvious for one of ordinary skill in the art to remedy the deficiencies identified in Bowman with regard to independent claim 1. Consequently, the reference(s) cited by the office action do not result in the claimed invention, there was no motivation for such a combination of references (i.e., cited references do not teach, read on, suggest, or result in the claimed invention(s)), and the claimed inventions are not admitted to be prior art. Thus, for the above reasons, the Applicant respectfully submits that the claimed invention, claim 1 and claims

depending therefrom, all: overcome all rejections and/or objections as noted in the office action, are patentable over and discriminated from the cited reference(s), and are in a condition for allowance. Accordingly, Applicant respectfully requests the rejection under 35 U.S.C. § 103 be withdrawn.

VII. Request for Reconsideration

Thus, Applicant respectfully submits that any amended claim(s) and or supporting remarks have overcome the basis for all rejection(s) and or objection(s) and place this application and all pending claims in condition for allowance. Accordingly, Applicant respectfully requests allowance, and reconsideration of the rejection(s) and or objection(s). If a conference with the Examiner would assist in placing this application in position for allowance, the undersigned would welcome a telephone call directed thereto.
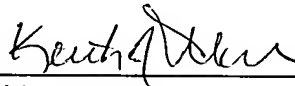
AUTHORIZATION

A Petition for a two months Extension of Time is enclosed, a fee for the two months extension is due. No further fees are believed due. However, if the Commissioner determines that a further extension of time is due, and or any other fees required with regard to this response, Applicant petitions for such extension and hereby authorizes the Commissioner to charge any required fee, or credit any overage to Deposit Account No.: 13-4500, Order No. 4576-4001. DUPLICATE OF THIS SHEET IS INCLUDED. Reconsideration and allowance of the above-identified application are respectfully requested.

Respectfully submitted,

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Dated: Feburary 23, 2005   By: _____

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